Sustainable Energy Management for Defense

Undergraduate course proposal

63RD IMPLEMENTATION GROUP MEETING, BRUSSELS, 09-11 SEPTEMBER 2024

Need

- ▶ CSDP Defence RoadMap
- Operational: environmental aspects into the planning and implementation of CSDP missions and operations, measure and assess the environmental footprint of CSDP missions and operations, environmental advisors.
- Capability Development: climate dimension into mandatory CSDP pre-deployment training, Research Projects calls.

The above roadmap is already been implemented since 03/2022. Undergraduate cadets need to have the basic knowledge to adapt.

Proposal

Prepare a CM to be horizontally taught in military academies with the aim to support the EU's Climate Change and Defense Roadmap

How

Create a task group with energy experts, (one/academy) to prepare the CM.

Steps:

Collect PoCs

Compile the group and share material

3. Allocate tasks and timeline to prepare the module.

4. Run a pilot course

√ Completed

√ Completed

√ Completed

Partners - PoC







- Prof. I Templalexis Hellenic Air Force Academy, Greece,
- Prof. Philippe Ch.-A. GUILLOT, French Air Force Academy, France,
- Assoc. Prof. dr. Gintaras LABUTIS, Military Academy of Lithuania, Lithuania,
- The list is open for more partners to join

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Material

Understand the Importance of Sustainable Energy Management

- Explain the significance of sustainable energy in the context of defense operations.
- Identify the environmental, economic, and strategic benefits of sustainable energy practices in the defense sector.

Analyze Renewable Energy Sources and Their Applications

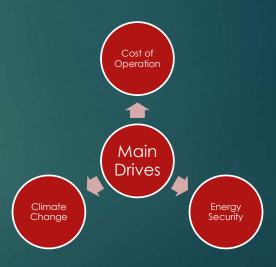
- Describe the principles and technologies behind various renewable energy sources such as solar, wind, and bioenergy.
- Evaluate the feasibility and benefits of integrating renewable energy sources into defense infrastructure and operations.

Evaluate Energy Efficiency and Resilience Strategies

- Understand the concepts of energy efficiency and energy resilience.
- Identify key energy efficiency measures and resilience strategies applicable to defense settings.

Examine Policy and Regulatory Frameworks

- Understand the international and national policies governing sustainable energy.
- Analyze defense-specific energy policies and regulatory frameworks.



Pilot Course

- ▶ Place: Military Academy of Lithuania, Lithuania
- Date: Three weeks starting from March 17, 2025 (March 17 April 11, 2025).

This 5 ECTS Course will run as Military Academy of Lithuania BA Program on National Security and Defence course offered for Military Academy of Lithuania cadets and ERASMUS students.

The Pilot Course will be part of this course, it will cover 2 ECTS and it will be completed within one week time. Details on the exact week, will be given in due time.

Book your place. Contact Ms Evelina Miseliene, Project Lead, ERASMUS+INSTITUTIONAL COORDINATOR, Military Academy of Lithuania, email: evelina.miseliene@lka.lt